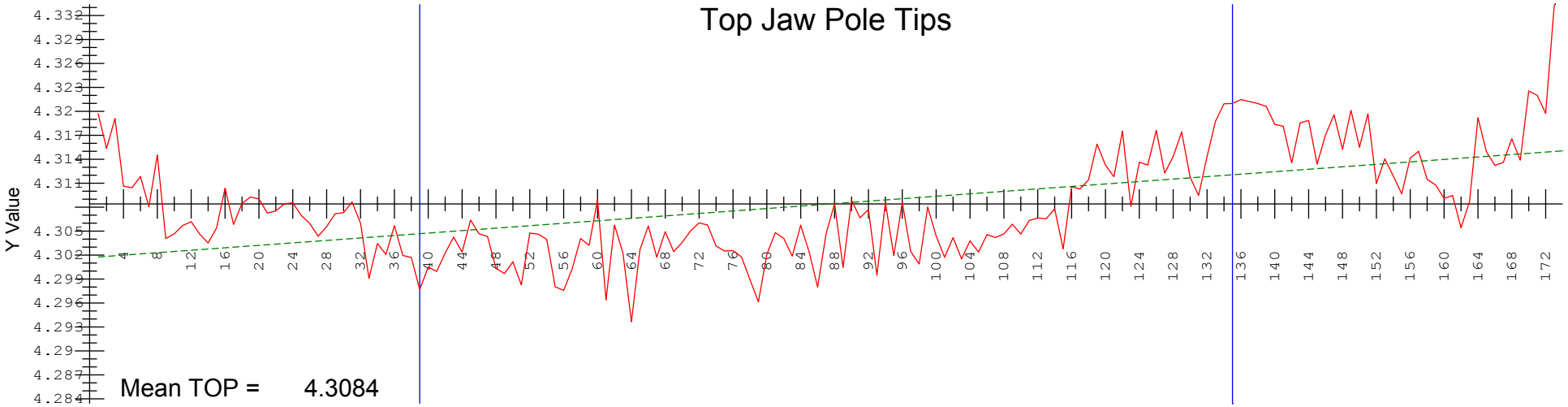


Pole Tip Num. ---->

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

Regression Line Through Points = ----------

Dimensions in mm

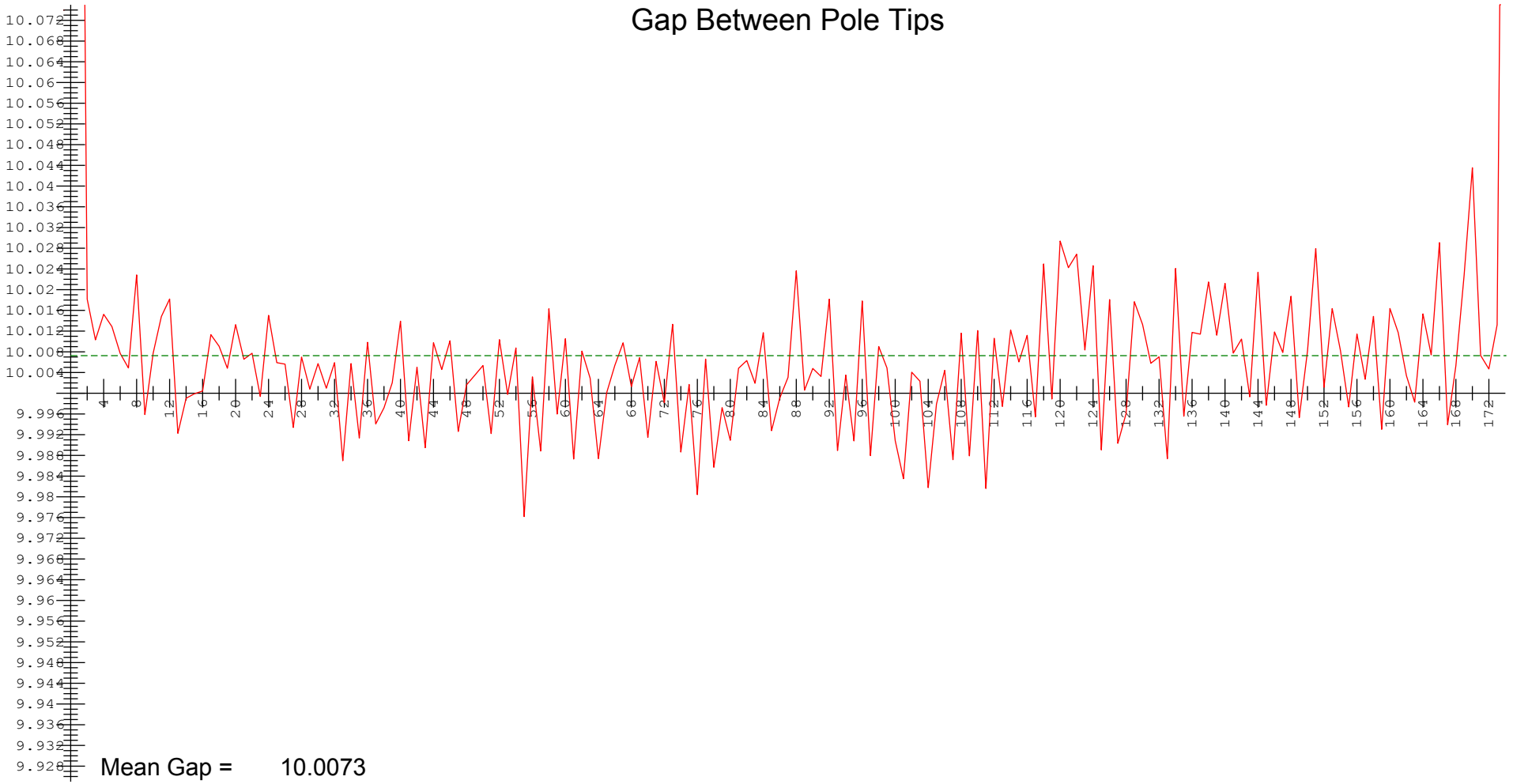
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10

Gap Reading = 10.00000 US Encoder = 10.00000 DS Encoder = 10.00000

29-SEP-2017
S/N = 003
D/S= 0001
Run= 18



Mean Gap = 10.0073

Step Between Measured Pole Tips = 1

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

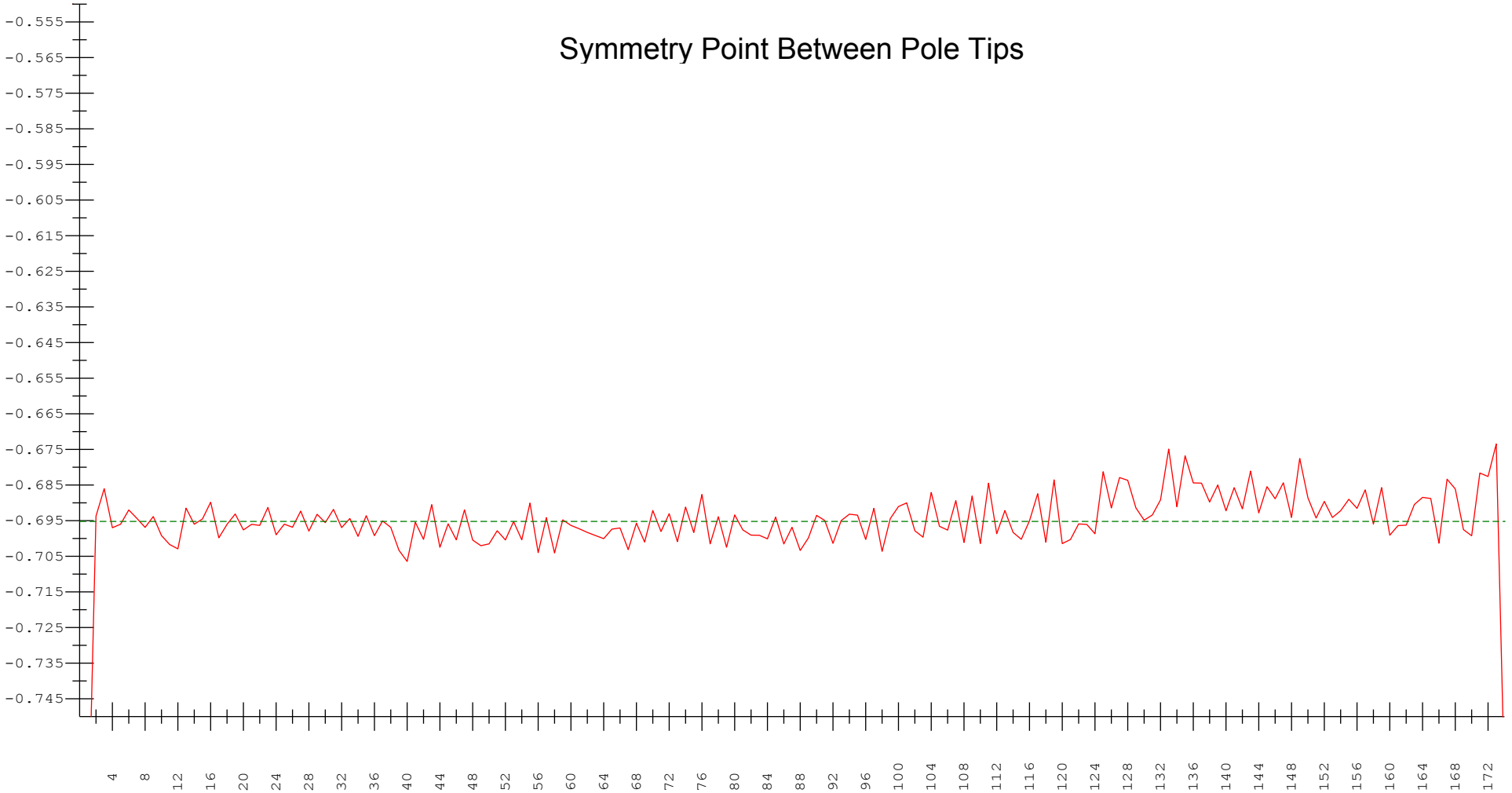
LCLS II - SXR Undulator

Nominal Gap = 10

Gap Reading = 10.00000 US Encoder = 10.00000 DS Encoder = 10.00000

29-SEP-2017
S/N = 003
D/S= 0001
Run= 18

Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.6952

Step Between Measured Pole Tips = 1

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10

Gap Reading = 10.00000 US Encoder = 10.00000 DS Encoder = 10.00000

29-SEP-2017
S/N = 003
D/S= 0001
Run= 18

Top and Bottom Jaw
Regression Line Intersect Points

Jaw	First Pole (Pole 1)	US Actuator (Pole 39)	DS Actuator (Pole 135)	Last Pole (Pole 174)
Top	4.3018	4.3047	4.3121	4.3151
Bottom	-5.7022	-5.7007	-5.6970	-5.6955

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.3084	-5.6988	10.0073	-0.6952

Step Between Measured Pole Tips = 1

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10

Gap Reading = 10.00000 US Encoder = 10.00000 DS Encoder = 10.00000

29-SEP-2017
S/N = 003
D/S= 0001
Run= 18